

# Package ‘backpipe’

May 7, 2026

**Type** Package

**Title** Backward Pipe (Right-to-Left) Operator

**Version** 0.2.3

**Date** 2018-06-25

**Description** Provides a backward-pipe operator for 'magrittr' (`%<%`) or 'pipeR' (`%<<%`) that allows for a performing operations from right-to-left. This allows writing more legible code where right-to-left ordering is natural. This is common with hierarchies and nested structures such as trees, directories or markup languages (e.g. HTML and XML). The package also includes a R-Studio add-in that can be bound to a keyboard shortcut.

**Depends** R ( $\geq$  3.1.0)

**Suggests** magrittr ( $\geq$  1.5), pipeR ( $\geq$  0.6.0.6), R6 ( $\geq$  2.1.1), testthat ( $\geq$  1.0.0), shiny ( $\geq$  0.12.1), knitr ( $\geq$  1.11), rstudioapi ( $\geq$  0.7), rmarkdown

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**URL** <https://github.com/decisionpatterns/backpipe>

**BugReports** <https://github.com/decisionpatterns/backpipe/issues>

**RoxygenNote** 6.0.1.9000

**Encoding** UTF-8

**VignetteBuilder** knitr

**Repository** CRAN

**NeedsCompilation** no

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backpipe	<i>backpipe</i>
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### Description

Creates backpiping operators

### Usage

```
backpipe(pipe, backpipe = gsub(">", "<", pipe))
```

### Arguments

pipe	character; string representing the existing pipe operator
backpipe	character; string representing the desired backpipe operator

### Details

Only pipe is necessary. Arbitrary mixing of forward and reverse are not allowed.

### References

<https://github.com/smbache/magrittr/issues/26>  
<http://stackoverflow.com/questions/31305342/is-right-to-left-operator-associativity-in-r-possible>

### See Also

[%>%](#)  
[%>>%](#)

### Examples

```
backpipe('%>%')
backpipe('%>>%', '%<<%')
```

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insert_backpipe	<i>Insert backpipe</i>
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**Description**

Call this function to insert `&lt;-` at the cursor position.

**Usage**

```
insert_backpipe()
```

**Details**

Use **Tools > Modify Keyboard Shortcuts** to bind a `->.`; `->.`;

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<code>%&lt;%</code>	<i>backpipes: %&lt;% , %&lt;&lt;%</i>
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**Description**

Provides back-piping operators `%<%` (magrittr) or `%<<%` (pipeR) allowing a reverse (right-to-left) order of arguments

**Usage**

```
lhs %<% rhs
```

```
lhs %<<% rhs
```

**Arguments**

lhs	argument on the lhs of the backpipe
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rhs	argument on the rhs of the backpipe
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**Details**

- `%<%` works with magrittr. `%<<%` works with pipeR. They are both based on [backpipe](#).
- Other magrittr operators and complex expressions are not supported yet.
- It is not possible to mix forward and backward piping in the same expression because of likely ambiguous results.

## References

<https://github.com/smbache/magrittr/issues/26>

<http://stackoverflow.com/questions/31305342/is-right-to-left-operator-associativity-in-r-possible>

## See Also

[%>%](#)

[%>>%](#)

## Examples

```
## Not run:
require(magrittr)
letters %>% paste0( 1:26 ) # forward pipe
paste0( 1:26 ) %<% letters # backward pipe

mean %<% range( na.rm = TRUE ) %<% c(1:5, NA)

## End(Not run)

## Not run:
require(pipeR)
letters %>>% paste0( 1:26 ) # forward pipe
paste0( 1:26 ) %<<% letters # backward pipe

mean %<<% range( na.rm = TRUE ) %<<% c(1:5, NA)

## End(Not run)

## Not run:
require(shiny)
div( class="outer-outer" ) %<%
  div( class="outer" ) %<%
    div( class="inner" ) %<%
      h1( "content", role="heading" )

## End(Not run)
```

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